



Application for Certification as an Eligible Energy Resource Under the Delaware Renewable Energy Portfolio Standard

1. Name of Generation Unit¹

1993712

2. Generation Unit Address

29781 Dubinkas Cir

Lewes, DE 19958

2a. Is the Generation Unit located within the PJM control area?

☒ Yes ☐ No

2b. If No, does the Generation Unit have capabilities to be imported into PJM?²³

☐ Yes ☐ No

2b1. Include NERC Tags (if Applicable; Other documentation may be required)

3. Name of Owner

Mound SolarPartnership XII, LLC

Mailing Address

12832 South Fronrunner Blvd, Draper, UT 84020

Phone (702) 680-6644

Email incentives.SREC@tesla.com

☐ Same as Contact Person

¹ 26 Del. C. §352(11).

² 26 Del. C. §352 (6).

³ Documentation will be required to substantiate import capabilities into PJM.



4. Name of Contact Person

Carly Hamilton

Mailing Address

6611 Las Vegas Blvd S. Ste 200

Las Vegas, NV 89119

Phone (702) 680-6644

Email incentives.SREC@tesla.com

5. Operational Characteristics: ⁴

Fuel Types Used (check all that apply):

☐ Gas combustion from the anaerobic digestion of organic material

☐ Geothermal

☐ Ocean, wave or tidal actions, currents, or thermal differences

☐ Biomass

☐ Fuel Cells

☐ Hydroelectric

☐ Methane Gas captured from a landfill gas recovery system

☒ Solar

☐ Wind

*If co-firing with fossil fuels, attach the allocation formula on file with PJM;
co-fire start date _____

*If multiple fuel types are utilized, attach the formula for computing the portion
of output per fuel type

5a. **Rated Capacity (in MW, not including battery storage)**⁵ 0.007625

5b. **Generation Unit's Final Approved Interconnection Date** 05/14/2018

⁴ 26 Del. C. §352(6).

⁵ Behind the meter Solar capacity should be entered in MW DC.



6. Is the Applicant's Generation Unit customer-sited generation?⁶

☐ Yes ☐ No

6a. Is the meter that measures generation a revenue grade meter?

☐ Yes ☐ No

7. Is the Applicant's Generation Unit a community owned generating facility?⁷

☐ Yes ☐ No

8. Does the Applicant's Generation Unit have battery storage?

☐ Yes ☐ No

If Yes, please answer a.-c.

8a. Can the Generation Unit's renewable energy generation be metered prior to any battery storage?

☐ Yes ☐ No

8b. What is the battery energy capacity in kWh? _____

8c. What is the battery charge/discharge rating in kW AC? _____

9. If the Applicant's installation is solar or wind sited in Delaware:

9a. Was the Generation Unit physically constructed or installed with a workforce that consists of at least 75% Delaware residents?

☐ Yes⁸ ☒ No

9b. Does the installing company employ, in total, a minimum of 75% workers who are Delaware residents?

☐ Yes⁸ ☒ No

⁶ 26 Del. C. §352(4) - "Customer-sited Generation" means a generating unit that is interconnected on the end use customer's side of the retail electricity meter in such a manner that it displaces all or part of the metered consumption of the end-use customer.

⁷ 26 Del. C. §1001(5) - "Community-owned Energy Generating Generation Unit" means a renewable energy generating Generation Unit that has multiple owners or customers who share the output of the generator, which may be located either as a stand-alone Generation Unit or behind the meter of a participating owner or customer. The Generation Unit shall be interconnected to the distribution system and operated in parallel with an electric distribution company's transmission and distribution facilities.

⁸ If Yes, please attach supporting documentation (see page 6 for details). Please note, in order to qualify for the Labor/Workforce Bonus, at least one of the options (a. or b.) must be met.



Tesla Energy Operations, Inc.

Company Name of Installer

12832 South Frontrunner Blvd, Draper, UT 84020

Address

Carly Hamilton

Signature of Company Representative

Carly Hamilton

Print Name of Company Representative

10. If the Applicant's installation is solar or wind sited in Delaware, is a minimum of 50% of the cost of the renewable energy equipment, inclusive of mounting components, manufactured in Delaware?

☐ Yes*

☒ No

Tesla Energy Operations, Inc.

Company Name of Installer

12832 South Frontrunner Blvd

Address
Draper, UT 84020

Address

Carly Hamilton

Signature of Company Representative

Carly Hamilton

Print Name of Company Representative

***If Yes, please attach the following documentation:**

- A copy of the supplier's invoice showing Delaware manufactured equipment with this facility identified
 - If the supplier's invoice shows only a coded Purchase Order (PO) number, a copy of the company's matching PO that includes the address where the materials were used/installed, must also be supplied
 - If using a master invoice, a record of the draws against the purchased quantity, on the master invoice, must show the address of each use and the quantity of material used



I, Carly Hamilton (print name) hereby certify under penalty of perjury that

1. I have made reasonable inquiry, and the information contained in this Application is true and correct to the best of my knowledge, information and belief.
2. I am authorized to submit and execute this Application and to bind myself and/or my company to the representations contained herein.
3. I /my company agree(s) to comply with and be subject to the jurisdiction of the Public Service Commission of the State of Delaware for any matters arising out of my submission of this Application or the granting of the Application.
4. In the event that any of the information contained in this Application changes pending the consideration of this Application or after the Application is granted, I/my company will amend the Application to provide the Commission with such changed information.
5. I acknowledge that if any of the representations made in this Application or in any amendment thereto are found to be untrue when made, I/the company may be subject to sanctions, including but not limited to monetary fines and/or the revocation of any Certificate granted as a result of the representations made in this Application.

Signature: Carly Hamilton

Date: 4/29/2019

Company Name (if applicable): Tesla Energy Operations, Inc.

Position Title (if applicable): Utility Relations Specialist



Required Documentation:

- If the Generation Unit is customer-sited generation, attach a copy of the utility's **Final Approved Interconnection Agreement**. The Agreement must include Generation Unit Address, Nameplate Capacity, and Interconnection Date.
- A copy of U.S. Department of Energy, Energy Information Administration Form EIA-860, if rated capacity is **>1.0 MW** and a copy of the **Final Approved Interconnection Agreement** including Generation Unit Address, Nameplate Capacity, and Interconnection Date.



Documentation Required for Delaware Labor/Workforce Bonus

10. If the Applicant's installation is solar or wind sited in Delaware:

- a. Was the Generation Unit physically constructed or installed with a workforce that consists of at least 75% Delaware residents?
- b. Does the installing company employ, in total, a minimum of 75% workers who are Delaware residents?

If you answered yes to "a", list all employees used as direct labor (physical construction and installation) for this Generation Unit: (Attach additional sheets if necessary)

If you answered yes to "b", list EVERY employee on the payroll during the period from project start date until project completion date. Projects are considered complete upon final interconnection approval to operate: (Attach additional sheets if necessary)

Installation Company Name

Project Start Date: _____ Project Complete Date: _____

Employee Full Name	Home Address City, State Only (As per Tax Withholding)	Social Security Number (Last 2 digits Only)

Total Delaware Resident Employees: _____ Total Number of Employees: _____

% of Delaware Residents (Delaware Residents Divided by Total Employees): _____

Delaware Electric Cooperative
Generator Interconnection Application – Short Form
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

Section 1, Applicant Information Directly Interconnected to the Generating System

Is the following system: ☒ Leased or ☐ Member Owned
Type of Application: ☒ Initial or ☐ Addition/Upgrade

Name: Dianne Siebold

Mailing Address: 29781 Dubinskas Circle

City: Lewes State: DE ZipCode: 19958

Email Address: bucsfan624@yahoo.com

Facility Location (if different from above): 29781 Dubinskas Circle Lewes, DE 19958

Telephone: Area Code _____ Number 3028936809 (Evening) Area Code _____ Number _____

Delaware Electric Cooperative Account No.: 3415502 Rate Code: _____

Section 2, Equipment Contractor

Name: Tesla Energy Operations, Inc.

Mailing Address: 6611 Las Vegas Blvd South # 200

City: Las Vegas State: NV ZipCode: 89119

Email Address: Interconnection.DE@tesla.com Telephone (Daytime): Area Code 702 Number 703-8951

Section 3, General Service Requirements

If different from the existing service, what size service will the generation facility require?

☐ 200A ☐ 400A ☐ 600A ☐ 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

☒ 120/240V-1Ph ☐ 120/208V-1Ph ☐ 120/208V-3Ph ☐ 277/480V-3Ph

Section 4, Application Fee

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be \$50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be \$50.00 plus \$1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be



Delaware Electric Cooperative
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accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

Section 5. Generator Type

Is Generator powered from a Renewable Energy Source: ☒ Yes No ☐

Type of Energy Source (if applicable): ☒ Solar ☐ Wind ☐ Other _____

Other generator energy source: ☐ Diesel ☐ Natural Gas ☐ Fuel Oil Other: _____

Will excess power be exported to Delaware Electric Cooperative? ☒ Yes No ☐

(Typical) Maximum Export: 7.625 kW ☒ DC ☐ AC

2 Yr. Avg. Annual Usage (kWh): 22716 Forecast Annual kWh: 10,357

(Note: The Annual Forecast MUST be completed using 4.5 peak sun light hours per days)

Section 5. Generator Technical Information

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: Hanwha SolarOne (Qidong) Q.PEAK-G4.1/SC 305 (25)
(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

Inverter Manufacturer, Model Name & Number (if used): ABB PVI-6000-OUTD-US-Z-A-RGM 1
(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

Initial Rating:

DC System Design Capacity: 7.625 (kW) _____ (kVA)

Inverter Capacity: 6.00 kW (Maximum AC kW)

AC System Design Capacity: 6.47 (kW) _____ (kVA)

Added Rating:

DC System Design Capacity: _____ (kW) _____ (kVA)

Inverter Capacity: _____ (Maximum AC kW)

AC System Design Capacity: _____ (kW) _____ (kVA)

Total Rating (Existing and New):

DC System Design Capacity: 7.625 (kW) _____ (kVA)

Inverter Capacity: 6.00 kW (Maximum AC kW)

AC System Design Capacity: 6.47 (kW) _____ (kVA)



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Generator Disconnect Switch:

A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

Section 6, Generator/Equipment Certification

Generating systems that utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): Dianne Siebold

Date: 2/21/18

Signed (Applicant): *Dianne Siebold*

Section 7, Aggregated Meter Information (If Applicable)

The following aggregated accounts shall be ranked according to the order in which credits shall be applied (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

- 1 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____
- 2 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____
- 3 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____
- 4 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____



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Any additional meters associated with this aggregated system must be supplied on a separate sheet in the same format.

Prior to installation send the completed Pages 1-3 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering; Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600 Greenwood, DE 19950

Section 8, PRELIMINARY Approval to Proceed with Interconnection

Delaware Electric Cooperative: ☒ Has Approved ☐ Has Not Approved this Preliminary Application.

Name : LPGIII Date: 3/26/18

Signature: L. Paul Greenlee III

Digitally signed by L. Paul Greenlee III
DN: cn=L. Paul Greenlee III, o=Delaware Electric Coop., Inc., ou,
email=pgreenlee@decoop.com, c=US
Date: 2018.03.26 15:01:27 -0400

Reason of Not Approving: _____



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Section 9, Installation Details

Generating System will be installed by: ☐ Owner ☒ State Licensed Electrician

Installing Electrician: _____ Firm: Tesla Energy Operations, Inc License No.: _____

Mailing Address: 6611 Las Vegas Blvd South, # 200

City: Las Vegas State: NV Zip Code: 89119

Telephone with Area Code: 702-703-8951

Installation Date: 4/20/18 Interconnection Date: 6/8/18

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of _____

Signed (Inspector): Please see attached final inspection certificate. Date: _____
(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

Section 10, Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Name of Applicant (Printed): Dianne Siebold Date: 2/21/18

Signature of Applicant: 

Section 11, FINAL Approval or Non-Approval

Delaware Electric Cooperative: ☒ Has Approved ☐ Has Not Approved this Interconnection Application.

Name: LPGIII Date: 5/14/18

Signature: L. Paul Greenlee III
Digitally signed by L. Paul Greenlee III
DN: cn=L. Paul Greenlee III, o=Delaware Electric Coop., Inc., ou,
email=pgreenlee@decoop.com, c=US
Date: 2018.05.14 14:39:11 -0400

Reason of Not Approving: _____

Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.

